A reagent according to Claim 58, wherein the oligonucleotide detection primer comprises an attachment moiety.

oligonucleotide detection primer has a length of from 10-40 nucleotide residues.

A reagent according to claim 58 having the sequence 5'-GCG CGG ACA TGG AGG ACG TG-3'.

Sequence 5'-ATG CCG ATG ACC TGC AGA AG-3'.

A reagent according to Claim 28 having the sequence 5'-GTA CTG CAC CAG/GCG GCC GC-3'.

A reagent according to Claim a having the sequence 5'-GGC CTG GTA CAC TGC CAG GC-3'.

A reagent according to Claim 38 having the sequence 5'-CAT GGT GCA CCT GAC TCC TG-3'.

sequence 5'-CAG TAA CGG CAG GCG GCC GC-3'.

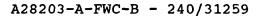
A reagent according to Claim 58 having the sequence 5/-AAG GCA CTC TTG CCT ACG CCA-3'.

A reagent according to Claim 58 having the sequence 5'-AGG CAC TCT TGC CTA CGC CAC-3'.

Sequence 5'-AAC TTG TGG TAG TTG GAG CT-3'.--

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A reagent according to Claim 58 wherein the oligonucleotide detection primer is immobilized to a solid support.

A reagent according to Claim wherein the labeled nucleotide is a deoxyribonucleotide triphosphate.

A reagent according to Claim 58 wherein the labeled nucleotide is a chain terminating nucleotide.

13. A reagent according to Claim 22 wherein the labeled nucleotide is a dideoxyribonucleotide triphosphate.

A reagent according to Claim 58 wherein the oligonucleotide primer extension product is immobilized to a solid support.

A reagent according to claim 59 wherein the coligonucleotide primer is hybridized to the target nucleic acid polymer immediately adjacent to the predetermined position.--.

## REMARKS

This is in response to the Office Action dated August 23, 1996 in the above-identified application. This application is a continuation of parent application serial No. 08/162,376 (hereinafter "'376 application") whose corresponding method claims have been deemed allowable. The claims of the '376 application are currently involved in two interferences. Interference No. 103,562 and Interference